

Claims

- [c1] 1.A computer system comprising:
a housing;
a motherboard installed inside the housing, the motherboard comprising:
a top surface;
a bottom surface; and
a central processing unit installed on the bottom surface for processing data;
a cage installed on a region inside of the housing and adjacent to the top surface of the motherboard; and
at least an integrated drive electronics device installed inside the cage.
- [c2] 2.The computer system of claim 1 further comprising a first heat-ventilating device installed on a region inside of the housing and adjacent to the bottom surface of the motherboard for ventilating heat generated by the central processing unit to a region outside of the housing.
- [c3] 3.The computer system of claim 1, wherein the first heat-ventilating device is a pipeline cooler.
- [c4] 4.The computer system of claim 2 further comprising at

least a first heat-ventilating hole installed on the housing and adjacent to the bottom surface of the motherboard, the first heat-ventilating device ventilating heat generated by the central processing unit through the first heat-ventilating hole and to a region outside of the housing.

[c5] 5.The computer system of claim 1 further comprising a second heat-ventilating device installed on a region inside of the housing and adjacent to the top surface of the motherboard for ventilating heat generated by the integrated drive electronics device to a region outside of the housing.

[c6] 6.The computer system of claim 5, wherein the second heat-ventilating device is a fan cooler.

[c7] 7.The computer system of claim 5 further comprising at least a second heat-ventilating hole installed on the housing and adjacent to the top surface of the motherboard, the second heat-ventilating device ventilating heat generated by the integrated drive electronics device through the second heat-ventilating hole and to a region outside of the housing.

[c8] 8.The computer system of claim 1 further comprising at least a memory slot.

- [c9] 9.The computer system of claim 8, wherein the memory slot is obliquely installed on the bottom surface of the motherboard.
- [c10] 10.The computer system of claim 9, wherein the obliquely installed memory slot has a height smaller than that of the central processing unit.
- [c11] 11.The computer system of claim 1 further comprising a motherboard cage installed on top of the top surface of the motherboard and beneath the cage.
- [c12] 12.The computer system of claim 11, wherein the motherboard cage comprises at least a positioning aperture and the cage comprises at least a positioning device corresponding to the positioning aperture for plugging into the positioning aperture when the cage is mounted on the motherboard cage.
- [c13] 13.The computer system of claim 11, wherein the motherboard cage comprises a plurality of connectors.
- [c14] 14.The computer system of claim 1, wherein the integrated drive electronics device is a hard disk drive.
- [c15] 15.The computer system of claim 1, wherein the integrated drive electronics device is a card reader.

- [c16] 16.The computer system of claim 1, wherein the integrated drive electronics device is a CD-ROM drive.
- [c17] 17.The computer system of claim 1, wherein the integrated drive electronics device is a floppy disk drive.
- [c18] 18.The computer system of claim 1, wherein the cage comprises a plurality of connectors.